IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re application of: Batra et al. | : Date: Herewith |
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| Serial Number: Concurrent | : Group Art Unit: Unknown |
| Filed: Concurrent | : Examiner: Unknown |
| Title: SYSTEM AND METHOD FOR CREATING DYNAMIC WORKFLOWS USING WEB SERVICE SIGNATURE MATCHING | : IBM CORPORATION Intellectual Property Law : MD90/201-1 8501 IBM Drive : Charlotte, NC 28262 |
| INFORMATION DISC | LOSURE STATEMENT UNDER 37 CFR 1.97 |
| Mail Stop: Patent Application Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450 | |
| Dear Sir: | |
| · · · · · · · · · · · · · · · · · · · | hed foreign patent office search report, provides a listing of bject application. This IDS is not intended as a representation that action provided is prior art. |
| This IDS is submitted under: | |
| X 37 CFR 1.97(b) - No Fee. | |
| was cited in a communication from a foreign | f information contained in this information disclosure statement a patent office in a counterpart foreign application. This which is not more than 3 months prior to the mailing of this |
| 37 CFR 1.97(c) - Fee. | |
| 37 CFR 1.97(d) - Fee, Certification & | Petition. |
| The Commissioner is authorized to charge p (i) (1) to Deposit Account No.09-0469 (IBM | ayments of any associated fees required under 37 CFR 1.17(p) and). |
| Dated: April 19, 2004 | Respectfully submitted, |

By: Michael F. Hoffman

Registration No.: 40,019

Telephone No.: (518) 449-0044

PTO/SB/08A (06-03)
Approved for use through 07/31/2003. OMB 0651-0031
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| | | | | Application Number | Not yet assigned | |
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| STATEMENT BY APPLICANT | | | ICANT | First Named Inventor | Batra et al. | |
| (use as many sheets as necessary) | | | | Art Unit | N/A | |
| (acc do interly directs at increasing) | | Examiner Name | N/A | | | |
| Sheet | 1 | of | 2 | Attorney Docket Number | CHA920040004US1 | |

| | U.S. PATENT DOCUMENTS | | | | | | | |
|-----------|-----------------------|---|--------------------------------|--|---|--|--|--|
| | Cite | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant | | | |
| Initials* | No.1 | Number-Kind Code ² (f known) | | 7 pproduction of once becamen | Figures Appear | | | |
| | | US-2002/0091490 A1 | 07/11/2002 | Russo et al. | | | | |
| | | US-2002/0147606 A1 | 10/10/2002 | Hoffmann et al. | | | | |
| | | US-2003/0036087 A1 | 02/20/2003 | Kaushikkar et al. | | | | |
| | | US-2003/0050924 A1 | 03/13/2003 | Faybishenko et al. | | | | |
| | | US-2003-0055818 A1 | 03/20/2003 | Faybishenko et al. | | | | |
| | | US-2003/0084026 A1 | 05/01/2003 | Jameson | | | | |
| | | US-2003/0088544 A1 | 05/08/2003 | Kan et al. | | | | |
| | | US-2003/0126120 A1 | 07/03/2003 | Faybishenko et al. | | | | |
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| | FOREIGN PATENT DOCUMENTS | | | | | | | |
|-----------------------|--------------------------|---|--------------------------------|--|---|----------|--|--|
| Examiner Initials* | Cite No.1 | Foreign Patent Document Country Code³ -Number⁴- Kind Code⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T€ | | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | |
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| | | | | First Named Inventor | Batra et al. |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | N/A |
| Sheet | 2 | of | 2 | Attorney Docket Number | CHA920040004US1 |

| | NON PATENT LITERATURE DOCUMENTS | | | | | | | |
|-----------------------|---------------------------------|---|--|--|--|--|--|--|
| Examiner Initials* | | | | | | | | |
| | | InforSense Ltd., InforSense Knowledge Discovery Environment 1.9 Brochure, v. 4, 12/2003, 4 pgs. | | | | | | |
| | | ROCCO, D., et al., "Discovery and Classification of Bioinformatics Web Services," U.S. Department of Energy, Lawrence Livermore National Laboratory, September 2002, 8 pgs. | | | | | | |
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